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LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,
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European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
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For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR TREATING CROPS TO ENHANCE PLANT PERFORMANCE

(57) Abstract: The present invention relates to methods and compositions used to promote seed germination, emergence, healthy root development, plant growth, disease resistance, maturity and ultimately increase tuber crop yield in agricultural commodities. The present invention also relates to seeds and seed pieces treated with the compositions and methods of the present invention. The compositions of the invention contain a polysaccharide and/or protein.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/32428

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A01N 25/26; A01C 1/06

US CL : 504/100, 359; 47/57.6

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 504/100, 359; 47/57.6

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
None

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,588,254 A (ADACHI et al) 31 December 1996, See columns 1-14 and claims.	1-54
Y	US 5,747,416 A (McARDLE) 05 May 1998, See columns 1-8, 12, 13.	1-54
Y	US 5,801,116 A (COTTRELL et al) 01 September 1998, See columns 1-10.	1-54
Y	US 6,199,318 B1 (STEWART et al) 13 March 2001, See columns 1-9, 13-18.	1-54
P,Y	US 2002/0166147 A1 (JABAR, Jr. et al) 07 November 2002, See entire document.	1-54
Y	JP4 11-116415 A (MAKUUCHI et al) 27 April 1999, See English JPO abstract.	1-54

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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INTERNATIONAL SEARCH REPORT

PCT/US03/324

Continuation of B. FIELDS SEARCHED Item 3:

WEST (USPAT, PGPUBS, DWPI, EPO, JPO): polysaccharide-, cellulose-, starch-, pectin-, carrageenan etc., gum- with (arabic, ghatti, karaya, tragacanth, guar, locust), alginate-, plant-/yield-/grow-/crop- with enhanc-/improv-/accelerat-, seed- + coat-